

COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor(s), I(we) hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **SENSOR AND METHOD FOR MANUFACTURING RESISTIVE ELEMENT THEREOF**, the specification of which

(check one) _____ is attached hereto.

was filed on 20 January 2000 as
United States Application No. 09/463,144

PCT International Patent Application Number PCT/JP99/02665
filed 20 May 1999
and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)	Priority Claimed		
<u>10-140892</u> (Number)	<u>Japan</u> (Country)	<u>22 May 1998</u> (Day/Month/Year Filed)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Appn. Serial No.)	(Filing Date)	(Status-patented, pending, abandoned)
(Appn. Serial No.)	(Filing Date)	(Status-patented, pending, abandoned)

I hereby appoint as my attorneys, with full power of substitution and revocation, to prosecute the patent application identified above and to transact all business in the U.S. Patent and Trademark Office connected therewith:

Stephen A. Becker, Reg. No. 26,527; John G. Bisbikis, Reg. No. 37,095; Daniel Bucca, Reg. No. 42,368; Kenneth L. Cage, Reg. No. 26,151; Carina M. Tan, Reg. No. P-45,769; Stephen C. Carlson, Reg. No. 39,929; Jennifer Chen, Reg. No. 42,404; Bernard P. Codd, Reg. No. P-46,429; Thomas A. Corrado, Reg. No. 42,439; Lawrence T. Cullen, Reg. No. 44,489; Paul Devinsky, Reg. No. 28,553; Luan Do, Reg. No. 38,434; Margaret M. Duncan, Reg. No. 30,879; Brian E. Ferguson, Reg. No. 36,801; Michael E. Fogarty, Reg. No. 36,139; John R. Fuisz, Reg. No. 37,327; Willem F. Gadiano, Reg. No. 37,136; Keith E. George, Reg. No. 34,111; Matthew V. Grumbling, Reg. No. 44,427; John A. Hankins, Reg. No. 32,029; Joseph Hyosuk Kim, Reg. No. 41,425; Eric J. Kraus, Reg. No. 36,190; Jack Q. Lever, Reg. No. 28,149; Raphael V. Lupo, Reg. No. 28,363; Christine F. Martin, Reg. No. 39,762; Michael A. Messina, Reg. No. 33,424; Eugene J. Molinelli, Reg. No. 42,901; Dawn L. Palmer, Reg. No. 41,238; Joseph H. Paquin, Jr., Reg. No. 31,647; Scott D. Paul, Reg. No. 42,984; William D. Pegg, Reg. No. 42,988; Robert L. Price, Reg. No. 22,685; Thomas D. Robbins, Reg. No. 43,669; Gene Z. Robinson, Reg. No. 33,351; Joy Ann G. Serauskas, Reg. No. 27,952; Daniel H. Sherr, Reg. No. P-46,425; David A. Spenard, Reg. No. 37,449; Arthur J. Steiner, Reg. No. 26,106; David L. Stewart, Reg. No. 37,578; Wesley Strickland, Reg. No. 44,363; Michael D. Switzer, Reg. No. 39,552; Leonid D. Thenor, Reg. No. 39,397; Keith J. Townsend, Reg. No. 40,358; Daniel S. Trainor, Reg. No. 43,959; Cameron K. Weiffenbach, Reg. No. 44,488; Aaron Weissstuch, Reg. No. 41,557; Edward J. Wise, Reg. No. 34,523; Alexander V. Yampolsky, Reg. No. 36,324; and Robert W. Zelnick, Reg. No. 36,976

Please address all correspondence and telephone calls to:

MCDERMOTT, WILL & EMERY
600 13th Street, N.W.
WASHINGTON, D.C. 20005-3096
Telephone: 202-756-8000

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor **Shinji UMEDA (Deceased)**
By **leo UMEDA, heir of Deceased**

Inventor's signature Leo Umada Date June 21, 2000
Residence 41-60 Miyatani-cho, Takefu-shi, Fukui, 915-0013 JAPAN
Post Office Address SAME AS ABOVE Citizenship Japanese

Full name of second inventor **Koji NOMURA**

Inventor's signature _____ Date _____
Residence 37-8, Tawaradai 2-chome, Shijonawate-shi, Osaka 575-0013 JAPAN
Post Office Address SAME AS ABOVE Citizenship Japanese

Full name of third inventor **Akihiko IBATA**

Inventor's signature _____ Date _____
Residence **3-5, Hagonomo 5-chome, Takaishi-shi, Osaka 592-0002 JAPAN**
Post Office Address SAME AS ABOVE Citizenship Japanese

Full name of fourth inventor **Hirosi FUJII**

Inventor's signature _____ Date _____
Residence **43-2-705, Higashiyama 2-chome, Hirakata-shi, Osaka 573-1114 JAPAN**
Post Office Address SAME AS ABOVE Citizenship Japanese

Full name of fifth inventor **Takeshi MASUTANI**

Inventor's signature _____ Date _____
Residence **1-10-2-201, Keihanhondori, Moriguchi-shi, Osaka 570-0083 JAPAN**
Post Office Address SAME AS ABOVE Citizenship Japanese

Attorney Docket No. 43890-392

COMBINED DECLARATION/POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor(s), I(we) hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **SENSOR AND METHOD FOR MANUFACTURING RESISTIVE ELEMENT THEREOF**, the specification of which

(check one) _____ is attached hereto.

was filed on 20 January 2000 as
United States Application No. 09/463,144

PCT International Patent Application Number PCT/JP99/02665
filed 20 May 1999
and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)	Priority Claimed	
<u>10-140892</u> <u>Japan</u> (Number) (Country)	<u>22 May 1998</u> (Day/Month/Year Filed)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>(Appln. Serial No.)</u>	<u>(Filing Date)</u>	<u>(Status-patented, pending, abandoned)</u>
<u>(Appln. Serial No.)</u>	<u>(Filing Date)</u>	<u>(Status-patented, pending, abandoned)</u>

I hereby appoint as my attorneys, with full power of substitution and revocation, to prosecute the patent application identified above and to transact all business in the U.S. Patent and Trademark Office connected therewith:

Stephen A. Becker, Reg. No. 26,527; John G. Bisbikis, Reg. No. 37,095; Daniel Bucca, Reg. No. 42,368; Kenneth L. Cage, Reg. No. 26,151; Carina M. Tan, Reg. No. P-45,769; Stephen C. Carlson, Reg. No. 39,929; Jennifer Chen, Reg. No. 42,404; Bernard P. Codd, Reg. No. P-46,429; Thomas A. Corrado, Reg. No. 42,439; Lawrence T. Cullen, Reg. No. 44,489; Paul Devinsky, Reg. No. 28,553; Luan Do, Reg. No. 38,434; Margaret M. Duncan, Reg. No. 30,879; Brian E. Ferguson, Reg. No. 36,801; Michael E. Fogarty, Reg. No. 36,139; John R. Fuisz, Reg. No. 37,327; Willem F. Gadiano, Reg. No. 37,136; Keith E. George, Reg. No. 34,111; Matthew V. Grumbling, Reg. No. 44,427; John A. Hankins, Reg. No. 32,029; Joseph Hyosuk Kim, Reg. No. 41,425; Eric J. Kraus, Reg. No. 36,190; Jack Q. Lever, Reg. No. 28,149; Raphael V. Lupo, Reg. No. 28,363; Christine F. Martin, Reg. No. 39,762; Michael A. Messina, Reg. No. 33,424; Eugene J. Molinelli, Reg. No. 42,901; Dawn L. Palmer, Reg. No. 41,238; Joseph H. Paquin, Jr., Reg. No. 31,647; Scott D. Paul, Reg. No. 42,984; William D. Pegg, Reg. No. 42,988; Robert L. Price, Reg. No. 22,685; Thomas D. Robbins, Reg. No. 43,669; Gene Z. Robinson, Reg. No. 33,351; Joy Ann G. Serauskas, Reg. No. 27,952; Daniel H. Sherr, Reg. No. P-46,425; David A. Spenard, Reg. No. 37,449; Arthur J. Steiner, Reg. No. 26,106; David L. Stewart, Reg. No. 37,578; Wesley Strickland, Reg. No. 44,363; Michael D. Switzer, Reg. No. 39,552; Leonid D. Thenor, Reg. No. 39,397; Keith J. Townsend, Reg. No. 40,358; Daniel S. Trainor, Reg. No. 43,959; Cameron K. Weiffenbach, Reg. No. 44,488; Aaron Weissbuch, Reg. No. 41,557; Edward J. Wise, Reg. No. 34,523; Alexander V. Yampolsky, Reg. No. 36,324; and Robert W. Zelnick, Reg. No. 36,976

Please address all correspondence and telephone calls to:

MCDERMOTT, WILL & EMERY
600 13th Street, N.W.
WASHINGTON, D.C. 20005-3096
Telephone: 202-756-8000

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor **Shinji UMEDA (Deceased)**
By Ieo UMEDA, heir of Deceased)

Inventor's signature _____ Date _____
Residence **41-60 Miyatani-cho, Takefu-shi, Fukui, 915-0013 JAPAN**
Post Office Address **SAME AS ABOVE** Citizenship Japanese

Full name of second inventor **Koji NOMURA**

Inventor's signature Koji Nomura Date June 21, 2000
Residence **37-8, Tawaradai 2-chome, Shijonawate-shi, Osaka 575-0013 JAPAN**
Post Office Address **SAME AS ABOVE** Citizenship Japanese

Full name of third inventor **Akihiko IBATA**

Inventor's signature Akihiko Ibata Date June 21, 2000
Residence 3-5, Hagaromo 5-chome, Takaishi-shi, Osaka 592-0002 JAPAN
Post Office Address SAME AS ABOVE Citizenship Japanese

Full name of fourth inventor **Hiroshi FUJII**

Inventor's signature Hiroshi Fujii Date June 21, 2000
Residence 43-2-705, Higashiyama 2-chome, Hirakata-shi, Osaka 573-1114 JAPAN
Post Office Address SAME AS ABOVE Citizenship Japanese

Full name of fifth inventor **Takeshi MASUTANI**

Inventor's signature Takeshi Masutani Date June 21, 2000
Residence 1-10-2-201, Keihanhondori, Moriguchi-shi, Osaka 570-0083 JAPAN
Post Office Address SAME AS ABOVE Citizenship Japanese